Title (en)

Low frequency curing apparatus applicable directly to organism.

Title (de)

Niederfrequenz-Heilapparat zur direkten Anwendung auf dem Organismus.

Title (fr)

Appareil de guérison à basse fréquence applicable directement à l'organisme.

Publication

EP 0290126 B1 19950621 (EN)

Application

EP 88302571 A 19880323

Priority

JP 6895687 A 19870325

Abstract (en)

[origin: EP0290126A2] A low frequency curing apparatus includes a power source (11, 21, 21a, 111, 151); a boosted pulse generating unit (12; 23, 25; 113, 114; 153, 154) for generating a train of boosted pulses in response to a first pulse signal (C1, S1, S11, S21); an accumulating unit (13; 26; 116, 123; 156) for accumulating the boosted pulses to a predetermined amount; a low frequency pulse outputting unit (14; 27; 117, 120, 126; 157 - 160) for outputting the accumulated boosted pulses as low frequency pulses in response to a second pulse signal (C2; S2; S12; S22, S23); a pair of electrode members (K, F) able to be applied in a plane state to an object to be stimulated, for transmitting the low frequency pulses to the object; and a signal processing unit (15; 22; 22a, 22b; 22c; 112; 152) for outputting the first and second pulse signals based on a predetermined algorithm. A pulse width or a pulse interval of the first pulse signal or second pulse signal is changed, and as a result, a variety of low frequency stimulation effects can be applied to the object to be stimulated.

IPC 1-7

A61N 1/32; H03K 5/00

IPC 8 full level

A61N 1/04 (2006.01); **A61N 1/02** (2006.01); **A61N 1/32** (2006.01); **A61N 1/36** (2006.01)

CPC (source: EP KR US)

A61N 1/02 (2013.01 - KR); **A61N 1/32** (2013.01 - KR); **A61N 1/322** (2013.01 - EP US); **A61N 1/36034** (2017.07 - EP US); A61N 1/025 (2013.01 - EP US); A61N 1/0492 (2013.01 - EP US); A61N 1/378 (2013.01 - EP US)

Citation (examination)

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Cited by

FR2674758A1; EP0714027A3; EP1109595A4; EP0824936A1; US5817141A; EP1352673A3; NL1011136C2; EP0645162A1; US5628768A; US6512955B1; WO2004011087A1; WO0044436A1; WO9116105A1; WO9108015A3; EP1648553A4; EP1305080A1; EP1352673A2

Designated contracting state (EPC)

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EP 88302571 A 19880323; AU 1354288 A 19880323; CA 562537 A 19880325; DE 3854018 T 19880323; JP 6895687 A 19870325; KR 880003264 A 19880325; US 17186588 A 19880322